1999 Annual Index for *SIMULATION*

Volumes 72 and 73
Numbers 1 through 6

The index for articles in *SIMULATION* for 1999 appears in five parts. First is an **Index by Title: Technical Articles and Notes**. This list includes (1) article numbers, (2) titles, (3) first authors, (4) volume, number and month, and (5) pages. The **Index by Title: Running Columns and Stories** includes the same basic information. The other indices refer back to the article numbers that appear in this index. A slash (/) indicates a truncated title. The full title appears in the Index by Author.

The **Index by Author** lists all authors, but complete article information appears only under the listing for the first author: (1) name, (2) article number, (3) article title, (4) co-authors, (5) issue volume and number, and (6) pages. For co-authors, the index refers you to the first author's listing, or to the article number in the Index by Title.

The List of Special Issues includes the issue's subject, date, guest editor(s) and number of articles. The **Index by Keyword** includes the keyword(s), followed by the (1) article number, (2) issue volume, number and month, (3) pages, and (4) first author.

The SCS Website includes full titles, author information and abstracts for all Technical Articles and Technical Notes. Go to *www.scs@scs.org* and select *Publications*. Then select *SIMULATION*, then *Table of Contents* for 1999, Volumes 72 and 73.

Index by Title: Technical Articles and Notes

No.	Article Title	First Author	Issue	Pages
1	Analyzing the Effect of Distribution to the Simulation on a Network of Workstations	Porras, J.	72:5-May	313-319
2	Automatic Code Generation for Simulating Information Systems	So, B.	73:3-Sep	159-167
3	CIMBLE: Distributed Team Training via HLA	Seidel, D.	73:5-Nov	304-310
4	Commercial Aircraft-Cabin Egress: The Current State of Simulation Model Development and the Need/	Court, M.	73:4-Oct	218-231
5	Computer Simulation of the Effect of Thermal Contact Resistance on Cooling Time in Injection Molding	Sridhar, L.	73:3-Sep	144-148
6	A Configurable ACSL-Based Interface Generator for Simulated Systems	García, M.	73:4-Oct	206-212
7	Conservative Parallel Simulation of a Large Number of Processes	Naroska, E.	72:3-Mar	150-162
8	Design of a Station-Centric Network Model for Evaluating Changes to the IEEE 802.3 Ethernet Standard	Christensen, K.	72:1-Jan	33-47
9	Developing an HLA Virtual Command Post	Shockley, J.	73:5-Nov	273-280
10	Discrete-Event Models of Mixed-Phenotype *Plasmodium falciparum* Malaria	McKenzie, F.E.	73:4-Oct	213-217
11	Discrete-Event Simulation Software: What the Users Want	Hlupic, V.	73:6-Dec	362-370
12	Efficient Numerical Integration Using Gaussian Quadrature	Place, J.	73:4-Oct	232-238
13	An Embedded System's Design Verification Using Object-Oriented Simulation	Cunning, S.	72:4-Apr	238-249
14	Evaluation of Underground Development Mining Systems Using Discrete-Event Simulation	Runciman, N.	72:1-Jan	4-11
15	Exploiting HLA and DEVS To Promote Interoperability and Reuse in Lockheed's Corporate Environ/	Zeigler, B.	73:5-Nov	288-295
16	Functional Simulation Using Spreadsheets	El-Hajj, A.	73:2-Aug	80-90
17	G.E.S.A.S. Methodology: A Methodology for the Generation, Evaluation and Selection of Alternatives/	Otamendi, J.	73:2-Aug	91-99
18	Hardware Support for Multivariable Floating Point Function Generation	O'Grady, E.P.	72:6-Jun	384-390
19	A High Level Architecture-based Medical Simulation System	Petty, M.	73:5-Nov	281-287
20	Implementing On-Line Simulation With the World Wide Web	Davis, W.	73:1-Jul	40-54
21	An Integrated Simulation Environment for Parallel and Distributed System Prototyping	George, A.	72:5-May	283-294
22	Integration of the Genetic Algorithm and Discrete-Event Computer Simulation for Decision Support	McHaney, R.	72:6-Jun	401-411
23	Interactions of an Anthropomorphic Simulated Human With a Simulated Service Robot	Agah, A.	72:1-Jan	12-19
24	An Interactive Multimedia Training Simulator for Responding to Bomb Threats	Chung, C.	72:2-Feb	68-77
25	Maximizing the Simulation Output: A Competition	Kleijnen, J.P.C.	73:3-Sep	168-173
26	Message-Passing Architecture and its Construction in Object-Oriented Rapid Modeling for Automated/	Hwang, M.H.	72:2-Feb	90-104
27	Migration of HLA into Civil Domains: Solutions and Prototypes for Transportation Applications	Schulze, T.	73:5-Nov	296-303
28	Near Real-Time Agricultural Simulations on the Web	Georgiev, G.	73:1-Jul	22-28
29	An Object-Oriented Approach to Discrete-Event Simulation Applied to Underground Railway Systems	Paolucci, M.	72:6-Jun	372-383
30	ObjectOriented Simulator Design for an Automated HighSpeed Modular Placement Machine Family	Csaszar, P.	73:6-Dec	341-351
31	On the CRAY-System Random Number Generator	Entacher, K.	72:3-Mar	163-169
32	Optimization Of Simulated System Effectiveness Using Evolutionary Algorithms	Clymer, J.	73:6-Dec	334-340
33	Real Time Dynamic Simulation of Single Spool Turbojet Engines	Lin, S.-T.	73:6-Dec	352-361
34	A Reliability and Performance Model For Static Data Flow Machines	Eassa, M.	73:2-Aug	100-110
35	A Remote Laboratory Using Virtual Reality on the Web	Schmid, C.	73:1-Jul	13-21
36	Semiautomatic Generation of Web Courses by Means of an Object-Oriented Simulation Language	Alfonseca, M.	73:1-Jul	5-12
37	Simulating Authentication Delay in GSM Networks	Al-Tawil, K.	72:5-May	333-336
38	Simulation Analysis of Order and Kanban Sequencing Rules in a Kanban-Controlled Flow Shop	Aytug, H.	72:4-Apr	212-220
39	A Simulation Methodology to Study Input Buffering in ATM Switches	Obaidat, M.	72:5-May	295-304
40	A Simulation Model for Multi-Product Inventory Control Management	Badri, M.	72:1-Jan	20-32
41	Simulation Modeling and Performance Evaluation of Multiple Access Protocols	Peyravi, H.	72:4-Apr	221-237
42	Simulation of a Multicast ATM Switch for High-Speed Networks	Chaudhry, G.	72:5-May	327-332
43	Simulation of Dynamic Resource Allocation Policies in Transfer Lines with Serial Duplicate Stations	Savsar, M.	72:6-Jun	391-400
44	Simulation of the IARC NASDA Information System Archive and Analysis Subsystem Using Extend™	Bazell, D.	73:2-Aug	111-119
45	Simulation Results for an Adaptable Attribute Replication Mechanism to Support Inheritance in Large/	Salimi, A.	73:3-Sep	149-158
46	A Simulation Tool to Analyse the TETRA Transceiver Performance in Adverse Propagation Conditions	Dernikas, D.	72:5-May	337-342
47	Simulation-Based Engineering of Complex Adaptive Systems	Clymer, J.	72:4-Apr	250-260
48	A Simulation-Based Methodology for Analyzing Congestion and Emissions on a Transportation Net/	Beamon, B.	72:2-Feb	105-114
49	Simulation-Based Power Estimation for Low-Power Designs: A Fractal Approach	Radjassamy, R.	72:5-May	320-326
50	A Software Architecture for Interoperable, Evolvable, Near Real-Time Simulations	Cioch, F.	72:2-Feb	78-89
51	Survey of Languages and Runtime Libraries for Parallel Discrete-Event Simulation	Low, Y.-H.	72:3-Mar	170-186
52	Synchronization Mechanisms for Integration of Distributed Manufacturing Simulation Systems	Fujii, S.	72:3-Mar	187-197
53	Synthetic Traffic Generation Techniques For ATM Network Simulations	Williamson, C.	72:5-May	305-312
54	Trailblazer: An Application of The High Level Architecture To Joint Experimentation	Zabek, A.	73:5-Nov	266-272
55	UMAST: A Web-Based Architecture for Modeling Future Uninhabited Aerial Vehicles	Narayanan, S.	73:1-Jul	29-39

1999 Annual Index for *SIMULATION*

Volumes 72 and 73
Numbers 1 through 6

The index for articles in *SIMULATION* for 1999 appears in five parts. First is an **Index by Title: Technical Articles and Notes**. This list includes (1) article numbers, (2) titles, (3) first authors, (4) volume, number and month, and (5) pages. The **Index by Title: Running Columns and Stories** includes the same basic information. The other indices refer back to the article numbers that appear in this index. A slash (/) indicates a truncated title. The full title appears in the Index by Author.

The **Index by Author** lists all authors, but complete article information appears only under the listing for the first author: (1) name, (2) article number, (3) article title, (4) co-authors, (5) issue volume and number, and (6) pages. For co-authors, the index refers you to the first author's listing, or to the article number in the Index by Title.

The List of Special Issues includes the issue's subject, date, guest editor(s) and number of articles. The **Index by Keyword** includes the keyword(s), followed by the (1) article number, (2) issue volume, number and month, (3) pages, and (4) first author.

The SCS Website includes full titles, author information and abstracts for all Technical Articles and Technical Notes. Go to *www.scs@scs.org* and select *Publications*. Then select *SIMULATION*, then *Table of Contents* for 1999, Volumes 72 and 73.

Index by Title: Technical Articles and Notes

No.	Article Title	First Author	Issue	Pages
1	Analyzing the Effect of Distribution to the Simulation on a Network of Workstations	Porras, J.	72:5-May	313-319
2	Automatic Code Generation for Simulating Information Systems	So, B.	73:3-Sep	159-167
3	CIMBLE: Distributed Team Training via HLA	Seidel, D.	73:5-Nov	304-310
4	Commercial Aircraft-Cabin Egress: The Current State of Simulation Model Development and the Need/	Court, M.	73:4-Oct	218-231
5	Computer Simulation of the Effect of Thermal Contact Resistance on Cooling Time in Injection Molding	Sridhar, L.	73:3-Sep	144-148
6	A Configurable ACSL-Based Interface Generator for Simulated Systems	García, M.	73:4-Oct	206-212
7	Conservative Parallel Simulation of a Large Number of Processes	Naroska, E.	72:3-Mar	150-162
8	Design of a Station-Centric Network Model for Evaluating Changes to the IEEE 802.3 Ethernet Standard	Christensen, K.	72:1-Jan	33-47
9	Developing an HLA Virtual Command Post	Shockley, J.	73:5-Nov	273-280
10	Discrete-Event Models of Mixed-Phenotype *Plasmodium falciparum* Malaria	McKenzie, F.E.	73:4-Oct	213-217
11	Discrete-Event Simulation Software: What the Users Want	Hlupic, V.	73:6-Dec	362-370
12	Efficient Numerical Integration Using Gaussian Quadrature	Place, J.	73:4-Oct	232-238
13	An Embedded System's Design Verification Using Object-Oriented Simulation	Cunning, S.	72:4-Apr	238-249
14	Evaluation of Underground Development Mining Systems Using Discrete-Event Simulation	Runciman, N.	72:1-Jan	4-11
15	Exploiting HLA and DEVS To Promote Interoperability and Reuse in Lockheed's Corporate Environ/	Zeigler, B.	73:5-Nov	288-295
16	Functional Simulation Using Spreadsheets	El-Hajj, A.	73:2-Aug	80-90
17	G.E.S.A.S. Methodology: A Methodology for the Generation, Evaluation and Selection of Alternatives/	Otamendi, J.	73:2-Aug	91-99
18	Hardware Support for Multivariable Floating Point Function Generation	O'Grady, E.P.	72:6-Jun	384-390
19	A High Level Architecture-based Medical Simulation System	Petty, M.	73:5-Nov	281-287
20	Implementing On-Line Simulation With the World Wide Web	Davis, W.	73:1-Jul	40-54
21	An Integrated Simulation Environment for Parallel and Distributed System Prototyping	George, A.	72:5-May	283-294
22	Integration of the Genetic Algorithm and Discrete-Event Computer Simulation for Decision Support	McHaney, R.	72:6-Jun	401-411
23	Interactions of an Anthropomorphic Simulated Human With a Simulated Service Robot	Agah, A.	72:1-Jan	12-19
24	An Interactive Multimedia Training Simulator for Responding to Bomb Threats	Chung, C.	72:2-Feb	68-77
25	Maximizing the Simulation Output: A Competition	Kleijnen, J.P.C.	73:3-Sep	168-173
26	Message-Passing Architecture and its Construction in Object-Oriented Rapid Modeling for Automated/	Hwang, M.H.	72:2-Feb	90-104
27	Migration of HLA into Civil Domains: Solutions and Prototypes for Transportation Applications	Schulze, T.	73:5-Nov	296-303
28	Near Real-Time Agricultural Simulations on the Web	Georgiev, G.	73:1-Jul	22-28
29	An Object-Oriented Approach to Discrete-Event Simulation Applied to Underground Railway Systems	Paolucci, M.	72:6-Jun	372-383
30	ObjectOriented Simulator Design for an Automated HighSpeed Modular Placement Machine Family	Csaszar, P.	73:6-Dec	341-351
31	On the CRAY-System Random Number Generator	Entacher, K.	72:3-Mar	163-169
32	Optimization Of Simulated System Effectiveness Using Evolutionary Algorithms	Clymer, J.	73:6-Dec	334-340
33	Real Time Dynamic Simulation of Single Spool Turbojet Engines	Lin, S.-T.	73:6-Dec	352-361
34	A Reliability and Performance Model For Static Data Flow Machines	Eassa, M.	73:2-Aug	100-110
35	A Remote Laboratory Using Virtual Reality on the Web	Schmid, C.	73:1-Jul	13-21
36	Semiautomatic Generation of Web Courses by Means of an Object-Oriented Simulation Language	Alfonseca, M.	73:1-Jul	5-12
37	Simulating Authentication Delay in GSM Networks	Al-Tawil, K.	72:5-May	333-336
38	Simulation Analysis of Order and Kanban Sequencing Rules in a Kanban-Controlled Flow Shop	Aytug, H.	72:4-Apr	212-220
39	A Simulation Methodology to Study Input Buffering in ATM Switches	Obaidat, M.	72:5-May	295-304
40	A Simulation Model for Multi-Product Inventory Control Management	Badri, M.	72:1-Jan	20-32
41	Simulation Modeling and Performance Evaluation of Multiple Access Protocols	Peyravi, H.	72:4-Apr	221-237
42	Simulation of a Multicast ATM Switch for High-Speed Networks	Chaudhry, G.	72:5-May	327-332
43	Simulation of Dynamic Resource Allocation Policies in Transfer Lines with Serial Duplicate Stations	Savsar, M.	72:6-Jun	391-400
44	Simulation of the IARC NASDA Information System Archive and Analysis Subsystem Using Extend™	Bazell, D.	73:2-Aug	111-119
45	Simulation Results for an Adaptable Attribute Replication Mechanism to Support Inheritance in Large/	Salimi, A.	73:3-Sep	149-158
46	A Simulation Tool to Analyse the TETRA Transceiver Performance in Adverse Propagation Conditions	Dernikas, D.	72:5-May	337-342
47	Simulation-Based Engineering of Complex Adaptive Systems	Clymer, J.	72:4-Apr	250-260
48	A Simulation-Based Methodology for Analyzing Congestion and Emissions on a Transportation Net/	Beamon, B.	72:2-Feb	105-114
49	Simulation-Based Power Estimation for Low-Power Designs: A Fractal Approach	Radjassamy, R.	72:5-May	320-326
50	A Software Architecture for Interoperable, Evolvable, Near Real-Time Simulations	Cioch, F.	72:2-Feb	78-89
51	Survey of Languages and Runtime Libraries for Parallel Discrete-Event Simulation	Low, Y.-H.	72:3-Mar	170-186
52	Synchronization Mechanisms for Integration of Distributed Manufacturing Simulation Systems	Fujii, S.	72:3-Mar	187-197
53	Synthetic Traffic Generation Techniques For ATM Network Simulations	Williamson, C.	72:5-May	305-312
54	Trailblazer: An Application of The High Level Architecture To Joint Experimentation	Zabek, A.	73:5-Nov	266-272
55	UMAST: A Web-Based Architecture for Modeling Future Uninhabited Aerial Vehicles	Narayanan, S.	73:1-Jul	29-39

Index by Title: Running Columns and Stories

AI & Simulation

56	72:1-Jan	48-49	Wildberger, A.M.
57	72:2-Feb	115-116	Wildberger, A.M.
58	72:3-Mar	199-200	Wildberger, A.M.
59	72:4-Apr	261-262	Wildberger, A.M.
60	72:5-May	343-344	Wildberger, A.M.
61	72:6-Jun	413-414	Wildberger, A.M.
62	73:1-Jul	55-56	Wildberger, A.M.
63	73:2-Aug	120-121	Wildberger, A.M.
64	73:3-Sep	175-176	Wildberger, A.M.
65	73:4-Oct	239-240	Wildberger, A.M.
66	73:5-Nov	316-317	Wildberger, A.M.
67	73:6-Dec	371-372	Wildberger, A.M.

S³—Simulation in the Service of Society

68	72:1-Jan	52-58	McLeod, J.
69	72:2-Feb	120-124	McLeod, J.
70	72:3-Mar	203-207	McLeod, J.
71	72:4-Apr	273-276	McLeod, J.
72	72:5-May	348-352	McLeod, J.
73	72:6-Jun	418-423	McLeod, J.
74	73:1-Jul	61-66	McLeod, J.
75	73:2-Aug	129-134	McLeod, J.
76	73:3-Sep	181-184	McLeod, J.
77	73:4-Oct	247-252	McLeod, J.
78	73:5-Nov	318-323	McLeod, J.
79	73:6-Dec	377-381	McLeod, J.

SCS News

80	72:2-Feb	117	Subject: SCS Award
81	72:4-Apr	263	Sub: DMSO/MISS/HLA
82	72:4-Apr	265-266	Sub: SCS Award
83	72:4-Apr	266	Sub: Eastern Regional Council
84	73:2-Aug	127	Sub: Board Nominations
85	73:3-Sep	177	Sub: DoD Technical Group
86	73:4-Oct	244	Sub: DMSO/MISS/HLA

Technical Correspondence

87	73:4-Oct	205	Sub: Extend software
88	73:6-Dec	333	Sub: MODSIM III software

Index by Author

Abu Awad, F.; 20; Implementing On-Line Simulation With the World Wide Web; see Davis, W.

Agah, A.; 23; Interactions of an Anthropomorphic Simulated Human With a Simulated Service Robot; Tanie, K.; 72:1-Jan; 12-19

Alfonseca, M.; 36; Semiautomatic Generation of Web Courses by Means of an Object-Oriented Simulation Language; de Lara, J., Pulido, E.; 73:1-Jul; 5-12

Al-Tawil, K.; 37; Simulating Authentication Delay in GSM Networks; 72:5-May; 333-336

Aytug, H.; 38; Simulation Analysis of Order and Kanban Sequencing Rules in a Kanban-Controlled Flow Shop; Dogan, C.; 72:4-Apr; 212-220

Badri, M.; 40; A Simulation Model for Multi-Product Inventory Control Management; 72:1-Jan; 20-32

Baiden, G.; 14; Evaluation of Underground Development Mining Systems Using Discrete-Event Simulation; see Runciman, N.

Bazell, D.; 44; Simulation of the IARC NASDA Information System Archive and Analysis Subsystem Using Extend™; Geller, H.; 73:2-Aug; 111-119

Beamon, B.; 48; A Simulation-Based Methodology for Analyzing Congestion and Emissions on a Transportation Network; Griffin, P.; 72:2-Feb; 105-114

Bossert, W.; 10; Discrete-Event Models of Mixed-Phenotype *Plasmodium falciparum* Malaria; see McKenzie, F.E.

Brook, A.; 20; Implementing On-Line Simulation With the World Wide Web; see Davis, W.

Cai, W.; 51; Survey of Languages and Runtime Libraries for Parallel Discrete-Event Simulation; see Low, Y.-H.

Carothers, J.; 49; Simulation-Based Power Estimation for Low-Power Designs: A Fractal Approach; see Radjassamy, R.

Chaudhry, G.; 42; Simulation of a Multicast ATM Switch for High-Speed Networks; Guizani, M.; 72:5-May; 327-332

Chen, X.; 20; Implementing On-Line Simulation With the World Wide Web; see Davis, W.

Choi, B.K.; 26; Message-Passing Architecture and its Construction in Object-Oriented Rapid Modeling for Automated Manufacturing System Simulation; see Hwang, M.H.

Christensen, K.; 08; The Design of a Station-Centric Network Model for Evaluating Changes to the IEEE 802.3 Ethernet Standard; Molle, M., Yeger, B.; 72:1-Jan; 33-47

Chung, C.; 24; An Interactive Multimedia Training Simulator for Responding to Bomb Threats; Huda, A.; 72:2-Feb; 68-77

Cioch, F.; 50; A Software Architecture for Interoperable, Evolvable, Near Real-Time Simulations; Sieh, L.; 72:2-Feb; 78-89

Clymer, J.; 32; Optimization Of Simulated System Effectiveness Using Evolutionary Algorithms; 73:6-Dec; 334-340

Clymer, J.; 47; Simulation-Based Engineering of Complex Adaptive Systems; 72:4-Apr; 250-260

Court, M.; 04; Commercial Aircraft-Cabin Egress: The Current State of Simulation Model Development and the Need for Future Research; 73:4-Oct; 218-231

Csaszar, P.; 30; ObjectOriented Simulator Design for an Automated High-Speed Modular Placement Machine Family; Tirpak, T., Nelson, P.; 73:6-Dec; 341-351

Cunning, S.; 13; An Embedded System's Design Verification Using Object-Oriented Simulation; Schulz, S., Rozenblit, J.; 72:4-Apr; 238-249

Davis, W.; 20; Implementing On-Line Simulation With the World Wide Web; Chen, X., Brook, A., Abu Awad, F.; 73:1-Jul; 40-54

de Lara, J.; 36; Semiautomatic Generation of Web Courses by Means of an Object-Oriented Simulation Language; see Alfonseca, M.

de Prada, C.; 06; A Configurable ACSL-Based Interface Generator for Simulated Systems; see García, M.

Dernikas, D.; 46; A Simulation Tool to Analyse the TETRA Transceiver Performance in Adverse Propagation Conditions; Gardiner, J.; 72:5-May; 337-342

Dogan, C.; 38; Simulation Analysis of Order and Kanban Sequencing Rules in a Kanban-Controlled Flow Shop; see Aytug, H.

Draper, M.; 55; UMAST: A Web-Based Architecture for Modeling Future Uninhabited Aerial Vehicles; see Narayanan, S.

Eassa, F.; 34; A Reliability and Performance Model For Static Data Flow Machines; see Eassa, M.

Eassa, M.; 34; A Reliability and Performance Model For Static Data Flow Machines; Eassa, F., Zaki, M.; 73:2-Aug; 100-110

Edala, N.R.; 55; UMAST: A Web-Based Architecture for Modeling Future Uninhabited Aerial Vehicles; see Narayanan, S.

El-Hajj, A.; 16; Functional Simulation Using Spreadsheets; 73:2-Aug; 80-90

Entacher, K.; 31; On the CRAY-System Random Number Generator; 72:3-Mar; 163-169

Fogarty, R.; 21; An Integrated Simulation Environment for Parallel and Distributed System Prototyping; see George, A.

Key for Index by Author

First author's last name, first initial; article number; article title; co-author's last name, first initial; volume : number; pages

Co-author's last name, first initial; article number; article title; see first author last name, first initial

Index by Author

Fujii, S.; 52; Synchronization Mechanisms for Integration of Distributed Manufacturing Simulation Systems; Ogita, A., Kidani, Y., Kaihara, T.; 72:3-Mar; 187-197

García, M.; 06; A Configurable ACSL-Based Interface Generator for Simulated Systems; Llanos, D., de Prada, C.; 73:4-Oct; 206-212

Gardiner, J.; 46; A Simulation Tool to Analyse the TETRA Transceiver Performance in Adverse Propagation Conditions; see Dernikas, D.

Geist, J.; 55; UMAST: A Web-Based Architecture for Modeling Future Uninhabited Aerial Vehicles; see Narayanan, S.

Geller, H.; 44; Simulation of the IARC NASDA Information System Archive and Analysis Subsystem Using Extend™; see Bazell, D.

George, A.; 21; An Integrated Simulation Environment for Parallel and Distributed System Prototyping; Fogarty, R., Markwell, J., Miars, M.; 72:5-May; 283-294

Georgiev, G.; 28; Near Real-Time Agricultural Simulations on the Web; Hoogenboom, G.; 73:1-Jul; 22-28

Gomez, F.; 45; Simulation Results for an Adaptable Attribute Replication Mechanism to Support Inheritance in Large Knowledge Bases; see Salimi, A.

Griffin, P.; 48; A Simulation-Based Methodology for Analyzing Congestion and Emissions on a Transportation Network; see Beamon, B.

Guizani, M.; 42; Simulation of a Multicast ATM Switch for High-Speed Networks; see Chaudhry, G.

Haas, M.; 55; UMAST: A Web-Based Architecture for Modeling Future Uninhabited Aerial Vehicles; see Narayanan, S.

Hall, S.; 15; Exploiting HLA and DEVS To Promote Interoperability and Reuse in Lockheed's Corporate Environment; see Zeigler, B.

Harju, J.; 01; Analyzing the Effect of Distribution to the Simulation on a Network of Workstations; see Porras, J.

Hlupic, V.; 11; Discrete-Event Simulation Software: What the Users Want; 73:6-Dec; 362-370

Hong, M.-C.; 33; Real Time Dynamic Simulation of Single Spool Turbojet Engines; see Lin, S.-T.

Hoogenboom, G.; 28; Near Real-Time Agricultural Simulations on the Web; see Georgiev, G.

Hsu, K.-W.; 33; Real Time Dynamic Simulation of Single Spool Turbojet Engines; see Lin, S.-T.

Hsu, W.-J.; 51; Survey of Languages and Runtime Libraries for Parallel Discrete-Event Simulation; see Low, Y.-H.

Huang, S.-Y.; 51; Survey of Languages and Runtime Libraries for Parallel Discrete-Event Simulation; see Low, Y.-H.

Huda, A.; 24; An Interactive Multimedia Training Simulator for Responding to Bomb Threats; see Chung, C.

Hwang, M.H.; 26; Message-Passing Architecture and its Construction in Object-Oriented Rapid Modeling for Automated Manufacturing System Simulation; Choi, B.K.; 72:2-Feb; 90-104

Ikonen, J.; 01; Analyzing the Effect of Distribution to the Simulation on a Network of Workstations; see Porras, J.

Jain, S.; 51; Survey of Languages and Runtime Libraries for Parallel Discrete-Event Simulation; see Low, Y.-H.

Kaihara, T.; 52; Synchronization Mechanisms for Integration of Distributed Manufacturing Simulation Systems; see Fujii, S.

Kidani, Y.; 52; Synchronization Mechanisms for Integration of Distributed Manufacturing Simulation Systems; see Fujii, S.

Kleijnen, J.P.C.; 25; Maximizing the Simulation Output: A Competition; Pala, Ö.; 73:3-Sep; 168-173

Klein, U.; 27; Migration of HLA into Civil Domains: Solutions and Prototypes for Transportation Applications; see Schulze, T.

Kumar, P.K.; 55; UMAST: A Web-Based Architecture for Modeling Future Uninhabited Aerial Vehicles; see Narayanan, S.

Lew, A.; 02; Automatic Code Generation for Simulating Information Systems; see So, B.

Lim, C.-C.; 51; Survey of Languages and Runtime Libraries for Parallel Discrete-Event Simulation; see Low, Y.-H.

Lin, S.-T.; 33; Real Time Dynamic Simulation of Single Spool Turbojet Engines; Lu, J.-H., Hong, M.-C., Hsu, K.-W.; 73:6-Dec; 352-361

Llanos, D.; 06; A Configurable ACSL-Based Interface Generator for Simulated Systems; see García, M.

Low, Y.-H.; 51; Survey of Languages and Runtime Libraries for Parallel Discrete-Event Simulation; Lim, C.-C., Cai, W., Huang, S.-Y., Hsu, W.-J., Jain, S., Turner, S.; 72:3-Mar; 170-186

Lu, J.-H.; 33; Real Time Dynamic Simulation of Single Spool Turbojet Engines; see Lin, S.-T.

Markwell, J.; 21; An Integrated Simulation Environment for Parallel and Distributed System Prototyping; see George, A.

McHaney, R.; 22; Integration of the Genetic Algorithm and Discrete-Event Computer Simulation for Decision Support; 72:6-Jun; 401-411

McKenzie, F.E.; 10; Discrete-Event Models of Mixed-Phenotype *Plasmodium falciparum* Malaria; Wong, R., Bossert, W.; 73:4-Oct; 213-217

Miars, M.; 21; An Integrated Simulation Environment for Parallel and Distributed System Prototyping; see George, A.

Molle, M.; 08; The Design of a Station-Centric Network Model for Evaluating Changes to the IEEE 802.3 Ethernet Standard; see Christensen, K.

Morgenthaler, M.; 09; Developing an HLA Virtual Command Post ; see Shockley, J.

Narayanan, S.; 55; UMAST: A Web-Based Architecture for Modeling Future Uninhabited Aerial Vehicles; Edala, N.R, .Geist, J., Kumar, P.K., Ruff, H., Draper, M., Haas, M.; 73:1-Jul; 29-39

Narh, K.; 05; Computer Simulation of the Effect of Thermal Contact Resistance on Cooling Time in Injection Molding; see Sridhar, L.

Naroska, E.; 07; Conservative Parallel Simulation of a Large Number of Processes; Schwiegelshohn, U.; 72:3-Mar; 150-162

Nelson, P.; 30; ObjectOriented Simulator Design for an Automated HighSpeed Modular Placement Machine Family; see Csaszar, P.

Obaidat, M.; 39; A Simulation Methodology to Study Input Buffering in ATM Switches; Riehl, M.; 72:5-May; 295-304

Ogita, A.; 52; Synchronization Mechanisms for Integration of Distributed Manufacturing Simulation Systems; see Fujii, S.

O'Grady, E.P.; 18; Hardware Support for Multivariable Floating Point Function Generation; Young, B.-K.; 72:6-Jun; 384-390

Orooji, A.; 45; Simulation Results for an Adaptable Attribute Replication Mechanism to Support Inheritance in Large Knowledge Bases; see Salimi, A.

Otamendi, J.; 17; G.E.S.A.S. Methodology: A Methodology for the Generation, Evaluation and Selection of Alternatives via Simulation; 73:2-Aug; 91-99

Pala, Ö.; 25; Maximizing the Simulation Output: A Competition; see Kleijnen, J.P.C.

Paolucci, M.; 29; An Object-Oriented Approach to Discrete-Event Simulation Applied to Underground Railway Systems; Pesenti, R.; 72:6-Jun; 372-383

Parsons, K.; 09; Developing an HLA Virtual Command Post ; see Shockley, J.

Pesenti, R.; 29; An Object-Oriented Approach to Discrete-Event Simulation Applied to Underground Railway Systems; see Paolucci, M.

Petty, M.; 19; A High Level Architecture-based Medical Simulation System; Windyga, P.; 73:5-Nov; 281-287

Peyravi, H.; 41; Simulation Modeling and Performance Evaluation of Multiple Access Protocols; Wieser, D.; 72:4-Apr; 221-237

Place, J.; 12; Efficient Numerical Integration Using Gaussian Quadrature; Stach, J.; 73:4-Oct; 232-238

Porras, J.; 01; Analyzing the Effect of Distribution to the Simulation on a Network of Workstations; Ikonen, J., Harju, J.; 72:5-May; 313-319

Pulido, E.; 36; Semiautomatic Generation of Web Courses by Means of an Object-Oriented Simulation Language; see Alfonseca, M.

Key for Index by Author

First author's last name, first initial; article number; article title; co-author's last name, first initial; volume : number; pages

Co-author's last name, first initial; article number; article title; see first author last name, first initial

Index by Author

Radjassamy, R.; 49; Simulation-Based Power Estimation for Low-Power Designs: A Fractal Approach; Carothers, J.; 72:5-May; 320-326

Riehl, M.; 39; A Simulation Methodology to Study Input Buffering in ATM Switches; see Obaidat, M.

Rozenblit, J.; 13; An Embedded System's Design Verification Using Object-Oriented Simulation; see Cunning, S.

Ruff, H.; 55; UMAST: A Web-Based Architecture for Modeling Future Uninhabited Aerial Vehicles; see Narayanan, S.

Runciman, N.; 14; Evaluation of Underground Development Mining Systems Using Discrete-Event Simulation; Vagenas, N., Baiden, G.; 72:1-Jan; 4-11

Salimi, A.; 45; Simulation Results for an Adaptable Attribute Replication Mechanism to Support Inheritance in Large Knowledge Bases; Gomez, F., Orooji, A.; 73:3-Sep; 149-158

Sarjoughian, H.; 15; Exploiting HLA and DEVS To Promote Interoperability and Reuse in Lockheed's Corporate Environment; see Zeigler, B.

Savsar, M.; 43; Simulation of Dynamic Resource Allocation Policies in Transfer Lines with Serial Duplicate Stations; 72:6-Jun; 391-400

Schmid, C.; 35; A Remote Laboratory Using Virtual Reality on the Web; 73:1-Jul; 13-21

Schulz, S.; 13; An Embedded System's Design Verification Using Object-Oriented Simulation; see Cunning, S.

Schulze, T.; 27; Migration of HLA into Civil Domains: Solutions and Prototypes for Transportation Applications ; Straßburger, S., Klein, U.; 73:5-Nov; 296-303

Schwiegelshohn, U.; 07; Conservative Parallel Simulation of a Large Number of Processes; see Naroska, E.

Seidel, D.; 03; CIMBLE: Distributed Team Training via HLA; Testani, S., Wagner, E.; 73:5-Nov; 304-310

Shockley, J.; 09; Developing an HLA Virtual Command Post ; Parsons, K., Morgenthaler, M.; 73:5-Nov; 273-280

Sieh, L.; 50; A Software Architecture for Interoperable, Evolvable, Near Real-Time Simulations; see Cioch, F.

So, B.; 02; Automatic Code Generation for Simulating Information Systems; Lew, A.; 73:3-Sep; 159-167

Sridhar, L.; 05; Computer Simulation of the Effect of Thermal Contact Resistance on Cooling Time in Injection Molding; Narh, K.; 73:3-Sep; 144-148

Stach, J.; 12; Efficient Numerical Integration Using Gaussian Quadrature; see Place, J.

Straßburger, S.; 27; Migration of HLA into Civil Domains: Solutions and Prototypes for Transportation Applications; see Schulze, T.

Tanie, K.; 23; Interactions of an Anthropomorphic Simulated Human With a Simulated Service Robot; see Agah, A.

Testani, S.; 03; CIMBLE: Distributed Team Training via HLA; see Seidel, D.

Tirpak, T.; 30; ObjectOriented Simulator Design for an Automated High-Speed Modular Placement Machine Family; see Csaszar, P.

Turner, S.; 51; Survey of Languages and Runtime Libraries for Parallel Discrete-Event Simulation; see Low, Y.-H.

Vagenas, N.; 14; Evaluation of Underground Development Mining Systems Using Discrete-Event Simulation; see Runciman, N.

Wagner, E.; 03; CIMBLE: Distributed Team Training via HLA; see Seidel, D.

Wieser, D.; 41; Simulation Modeling and Performance Evaluation of Multiple Access Protocols; see Peyravi, H.

Williamson, C.; 53; Synthetic Traffic Generation Techniques For ATM Network Simulations; 72:5-May; 305-312

Windyga, P.; 19; A High Level Architecture-based Medical Simulation System; see Petty, M.

Wong, R.; 10; Discrete-Event Models of Mixed-Phenotype *Plasmodium falciparum* Malaria; see McKenzie, F.E.

Yeger, B.; 08; The Design of a Station-Centric Network Model for Evaluating Changes to the IEEE 802.3 Ethernet Standard; see Christensen, K.

Young, B.-K.; 18; Hardware Support for Multivariable Floating Point Function Generation; see O'Grady, E.P.

Zabek, A.; 54; Trailblazer: An Application of The High Level Architecture To Joint Experimentation; 73:5-Nov; 266-272

Zaki, M.; 34; A Reliability and Performance Model For Static Data Flow Machines; see Eassa, M.

Zeigler, B.; 15; Exploiting HLA and DEVS To Promote Interoperability and Reuse in Lockheed's Corporate Environment; Hall, S., Sarjoughian, H.; 73:5-Nov; 288-295

Key for Index by Author

First author's last name, first initial; article number; article title; co-author's last name, first initial; volume : number; pages

Co-author's last name, first initial; article number; article title; see first author last name, first initial

Special Issues

Parallel and Distributed Simulation
March 1999, Vol. 72, No. 3 — **4 articles**
Christopher Carothers, Guest Editor
Downloadable articles in PDF files available at http://www.scs.org

Performance Evaluation of Computer and Telecommunication Systems
May 1999, Vol. 72, No. 5 — **8 articles**
Mohammad Obaidat, Guest Editor

Web-Based Simulation
July 1999, Vol. 73, No 1 — **5 articles**
Paul Fishwick and David R.C. Hill, Guest Editors

High Level Architecture
November 1999, Vol. 73, No. 5 — **5 articles**
Mike Lightner and Judith Dahmann, Guest Editors
Downloadable articles in PDF files available at http://www.scs.org

To order journal article reprints, contact SCS at *publications@scs.org*, or write: SCS, Managing Editor, P.O. Box 17900, San Diego, CA, 92177. Reprints are $1.00 per page, or a minimum of $10, plus shipping.